



Town of Westford
Parks, Recreation, & Cemetery Department
35 Town Farm Road
P.O. Box 2444
Westford, MA. 01886
Phone: 978-692-5532 FAX: 978-392-4471

CEMETERY COMMISSION

Daniel Provost, Chair
George "Yogi" Rogers
Jonathan Ash
R. Bradley Potts, Alternate Member

Patricia A. Savage, Director
Richard Nawoichik, Cemetery Supervisor
Danielle Leblanc, Department Assistant

**SPECIFICATIONS FOR NEW 2012 12 FT. DIGGING DEPTH
SIDESHIFT BACKHOE LOADER
SSB2012**

SEALED bid proposals are hereby solicited and will be accepted at the Town of Westford Parks, Recreation, & Cemetery Department 35 Town Farm Road Westford, MA 01886 until 10:00AM Monday, January 9, 2012 at which time they will be publicly opened and read aloud. All bidders and other interested persons are hereby invited to be present. The Board of Selectmen is the awarding authority for this procurement.

Furnish Sideshift Backhoe Loader with 12 ft. digging depth, in accordance with the following instructions, requirements, and specifications:

<u>QUANTITY</u>	<u>DESCRIPTION</u>
ONE (1) EACH	SIDESHIFT BACKHOE LOADER WITH 12 FT DIGGING DEPTH, NEW 2012 CURRENT PRODUCTION MODEL
PRICE (FOB Delivered to Town of Westford c/o 28 North Street)	

Bidders are required to submit bids on the Town of Westford's SSB2012 Bid sheet attached

DESCRIPTIVE DATA AND SPECIFICATIONS:

**THE TOWN OF WESTFORD PARKS, RECREATION, & CEMETERY DEPARTMENT
BID SPECIFICATION FOR 12 FT DIGGING DEPTH SIDE SHIFT BACKHOE LOADER**

It is the intent of these specifications to describe and meet or exceed the following minimal requirements:

- This unit must be a new 2012 current production model with full factory warranty
- This unit must be designed and useable in a cemetery setting with tight spacing
- Please describe in detail, on a separate sheet, all exceptions and/or deviations to the specifications.
- A bidder may be deemed non-responsive if the explanations are not clear, precise and detailed

Cemetery SSB2012

Bids must be sealed, clearly marked, and submitted to the Westford Parks, Recreation, and Cemetery office at 35 Town Farm Road, Westford, MA. By 10:00 A.M. on January 9, 2012 at which time they will be publicly opened by the Director.

The specifications listed herein are designated the minimum quality and capability of the equipment; and not the intention to limit any make or model that is equal to the specifications. The unit bid must be a new 2012 current production model.

Equivalent product will be considered. In the event demonstrations or specifications on equivalent product are required, it will be at the vendor's expense. The Town of Westford reserves the right to reject any bid that is not in their best interest. Bidders must provide detailed description or brochure of the items bid.

Model_____ Make/Manufacturer_____ Engine Manufacturer_____

Please check yes if the model meets the requirement and no if it does not. Attach additional sheets as necessary for explanation on items checked no.

	Yes	No
General Description: 4 wheel drive, 4 wheel steer side shift backhoe loader. Unitized, one piece heavy duty mainframe with integral backhoe. Side shift frame with 3' 3" kingpost offset capability and straight leg stabilizers within loader bucket width. Fabricated equal length boom and dipper. SAE maximum dig depth 12'. Rear auxiliary hydraulics (one way flow). All backhoe hoses routed through king post with junction plate. SAE (plus (+) pattern) backhoe controls. Wain Roy XLS coupler and quick-coupled 24" digging bucket with teeth. Rubber stabilizer pads.	_____	_____
Equipment with integrally mounted front end loader using two lift cylinders and two bucket dump cylinders. Parallel lift standard using mechanical self leveling during loader raise and lower functions. 3-spool loader valve block with loader bucket return to dig	_____	_____
Dump Height: $\geq 8' 2''$	_____	_____
Load over height: $\geq 9' 10''$	_____	_____
Auxiliary loader hydraulics and hydraulic quick hitch as standard. Lift capacity to full height minimum 4,850 lbs	_____	_____
Standard 0.8cu. yd. x 73" W general purpose quick attach loader bucket with bolt-on cutting edge. Three (3) lift hooks welded to top of loader bucket.	_____	_____

	Yes	No
Physical Dimensions:		
Transport length: $\geq 17' 9''$	_____	_____
Transport Height: $\geq 10' 0''$	_____	_____
Height to top of cab: $\geq 8' 8''$	_____	_____
Width over tires: $\geq 6' 0''$	_____	_____
Ground Clearance: $\geq 1' 2''$	_____	_____
Engine: Water-cooled, 4 cylinder, direct injection diesel engine, 268 CID, 69 net HP, 74 gross HP@2200 RPM	_____	_____
Engine block heater with Mack plug	_____	_____
Dual element air filter dry type with cleanable outer element and replaceable inner element	_____	_____
Full flow pressure engine oil lubrication with spin-on filter cartridge	_____	_____
Air to fluid coolers, separately serviceable Radiator, Hydraulic and Transmission oil coolers	_____	_____
Two stage fuel filtering system utilizing a water/sediment separator and spin-on type filter element	_____	_____
Transmission: Transmission is separate unit mounted to engine containing 2.78:1 torque converter and all transmission components Connected to rear axle via drive shaft. Manual gear selection with 4F/4R speeds. Synchronized shift in all gears.	_____	_____
Electrically operated shuttle control on column.	_____	_____
Electrically operated transmission disconnect on gear shift and loader levels	_____	_____
Pressure lubrication with spin on cartridge filter	_____	_____
Front Axle: 4WD – Mac-Trac steer drive, torque proportioning, outboard planetary reduction axle, steering cylinder located behind front axle minimum 13,200 lb. static load rating, minimum 6,600 lb dynamic load rating, 10,487lb SAE J43	_____	_____
Rear Axle: 4WD – Mac-Trac drive torque proportioning, outboard Planetary reduction axle, steering cylinder located in front of rear axle Separated, rigidly mounted to mainframe and connected to transmission via drive shaft. Heavy duty double reduction, outboard planetary gear final reduction. 13,200 static load rating, 6,600 lb. dynamic load rating, 10,220 lb. SAE J43	_____	_____

	Yes	No
Brakes: Sealed wet multiple disc brakes. Brake pedals can be independently operated or locked together. Hydraulically actuated with 5 discs per brake. Fully enclosed to prevent contamination when operating in water, mud, or other adverse conditions without encountering brake fade	_____	_____
Over center actuation 11" disc type park brake, transmission shifts to neutral when park brake is activated.	_____	_____
Steering: Hydrostatic power steering, with priority valve. Steering wheel lock to lock equals 4 turns un-braked. Turning circle $\leq 24'$	_____	_____
Hydraulics: Open center hydraulic system with one gear pump, engine drive. Separate oil reservoir not shared with other systems, externally mounted to mainframe for good ground level servicing.	_____	_____
Abrasion protection of valve to boom hoses. Hoses have burst pressure at least 4 times working pressure. Structural steel to withstand minor impacts Pump output 21GPM@3300PSI. Rear auxiliary hydraulics (one way flow)	_____	_____
All backhoe hoses routed through king post with junction plate	_____	_____
Tires: Turf tires – 340/65 x 18 (four equal size)	_____	_____
Electrical: 12 volt electrical system with 95 amp alternator.		
Wiring harness and outside cab connectors meet IP69 standard for protection against ingress of dust, and pressure spray of at least 4.23 GPM at 1450 PSI.	_____	_____
Inside cab connectors meet IP67 standard for protection against ingress of dust and water when submerged.	_____	_____
Single, maintenance free battery rated at 850 CCA.		
Four (4) halogen work lights in front and two (2) separate halogen work lights in the rear.	_____	_____
Mid-level driving lights. Stop lights, turn signals and 4-way hazards and a roof mounted Whelen strobe beam with brush guard	_____	_____
Backlit gauges and readouts consisting of a tachometer, fuel gauge, engine coolant temperature gauge and digital hour meter. Light and alarm for battery charge condition, coolant temperature, engine oil pressure, transmission oil pressure, transmission oil temperature, air cleaner restriction and park brake engaged. Light indicator for hazard flasher on turn signal, steering mode and lights on. Lighted license plate bracket	_____	_____

	Yes	No
12 volt outlet for powered accessories	_____	_____
Cab: Enclosed ROPS/FOPS cab with heater and defogger vents, air conditioning, face level fan, suspension seat with adjustments for weight, seat angle, back angle, and retractable seat belt, left side entry, full floor mat, fixed steering column, interior rear view and exterior mirrors, cup holders, radio, storage compartment, operable right side window, one piece rear window to open overhead, operator ear noise level at 78dBa. SMV emblem.	_____	_____
One set of operator's manuals, parts and service manuals	_____	_____
Serviceability: Check for engine and transmission oil, brake fluid, engine coolant and windshield washer levels: ground level top off of engine oil, transmission oil, hydraulic fluid, brake fluid, fuel and engine coolant" tilt engine hood with fine mesh front grill. Minimum twenty-two (22) gallon hydraulic fuel tank capacity, 15.3 gallon hydraulic tank capacity with 10 micron filter, 500 hour engine oil and filter service interval, 2000 hydraulic oil and 500 hour hydraulic filter service interval.	_____	_____
Warranty: Unit shall comply with all applicable Federal (O.S.H.A.) safety regulations, Including maximum noise levels for the operator and attendant personnel working in the adjacent area.	_____	_____
Manufacturer's standard warranty to include at minimum: full machine coverage, and all parts, without cost to the Town, will be replaced by reason of defective material or workmanship, other than normal wear items. In addition the seller, at its own expense and without cost to the Town, will replace all defective parts and make any repairs that may be required or made necessary by reason of defective material or workmanship for a period of one year. 1 st year/unlimited hours, 2 nd year/2000 hours total and 3 years structural warranty.	_____	_____
Training: Minimum two (2) hours training on the new backhoe is required with Town personnel from Cemetery, Parks, Highway, and Water shall be in attendance	_____	_____
Delivery: bidders must state the number of days after award that they will guarantee delivery completion on attached bid sheet.		

Unit shall be delivered with a Statement of Origin and title application completely filled out.

Delivered to: Town of Westford – Cemetery Supervisor
28 North St. Westford, MA. 01886
Monday – Friday 7am-3pm excluding holidays

Contact: Richard (Dick) Nawoichik, Cemetery Supervisor at least 24 hours prior to delivering of the new unit at (978) 692-5526

All pre-delivery inspections must be complete prior to delivery to above address

Indicate, on attached bid sheet, the nearest service location at which repairs will be made in the event that on-site repairs are not feasible.

References: Please provide at least three (3) references with contact names and telephone numbers. These backhoes must currently be used in Massachusetts cemeteries.

Bidders are required to submit bids on the Town of Westford's SSB2012 Bid sheet

Optional Attachments: Please quote this item separately from the base machine price)

1. One (1) Power angle six way V-plow (Fisher or equivalent) with quick hitch attachment
To fit above quoted sideshift backhoe loader Cutting width > 9'

TOWN OF WESTFORD

SSB2012 BID SHEET

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35 Town Farm Road Westford, MA 01886 until 10:00AM Monday, January 9, 2012 at which time they will be
publicly opened and read aloud.

RULE FOR AWARD

The bid will be awarded to the responsive and responsible bidder offering the lowest lump sum price of the
supplies specified in the IFB. If the Town chooses to take the Add Alternate, the award will be based on the
base bid price and the Add Alternate.

Base Bid

New 2012 (Current production model) Sideshift backhoe loader with 12 ft digging depth

MAKE _____ MODEL _____ ENGINE MANUFACTURER _____ \$ _____

Add Alternate 1:

One (1) Power Angle Six-Way V-plow (Fisher or equivalent) with quick hitch
attachment to fit above quoted backhoe loader \$ _____

Bidders must state the number of days after award that they will guarantee delivery completion.
Unit shall be delivered with a Statement of Origin and title application completely filled out.

Delivery Date _____

Indicate the nearest service location at which repairs will be made in the event that on-site repairs
are not feasible.

Facility _____ City/Town _____ Miles _____

References: Please provide at least three (3) references with contact names
and telephone numbers. These backhoes must currently be used in Massachusetts cemeteries.

Reference #1 Contact Name _____ Phone number _____

Reference #2 Contact Name _____ Phone number _____

Reference #3 Contact Name _____ Phone number _____

Bidder Information: Company Name _____ Address _____

Phone Number _____ Company Tax Id _____

Authorized Signature _____ Date _____

Print Name and Title of Signatory _____

Cemetery SSB2012

STATEMENT OF TAX COMPLIANCE/NON-COLLUSION

As required under Chapter 233 and 701 of the Massachusetts Acts and Resolves of 1993, all bidders certify to the following, by signing this page in the space indicated below:

1. The undersigned certifies under the penalties of perjury that the bid is in all respects bona fide, fair and made without collusion or fraud with any other person. As used in this paragraph, the word person shall mean any natural business or legal entity.
2. Pursuant to M.G.L. C62C S49A, I certify under the penalties of perjury that I, to the best of my knowledge and belief, have filled all state tax returns and paid all state taxes required under law.

Social Security Number or Federal Tax Identification Number of

Bidder: _____ Date: _____

Name of Company: _____

Business Address: _____

Authorized Signature: _____

Print Name and Title of Signatory _____